

WHAT IS CLAIMED IS:

1. A machine for installing a zipper slider to a zipper bag, comprising:

5 a vibrating device having a disk vibrator, said disk vibrator being provided with a spiral rail on an inner wall thereof for guiding zipper sliders out of said disk vibrator, said spiral rail having an outlet at one terminal thereof, said disk vibrator further including a sifting board near said outlet for selecting zipper sliders of proper size;

10 a zipper slider feed having a first end connected to vibrating device in a substantially tangent direction for guiding zipper sliders ejected from said vibrating device;

an aligning tower connected to a second end of said zipper slider feed for aligning zipper sliders transported from said zipper slider feed;

15 an urging device connected to a lower end of said aligning tower for urging zipper sliders to move in a substantially horizontal direction one at a time;

an injecting device connected to one side of said urging device for temporarily enlarging an engaging opening of a zipper slider so that said zipper slider can engage with an open side of a zipper bag; and,

20 a pressing device connected to one side of said injecting device for holding said zipper bag so that said zipper slider can be slidably connected to said open side of said zipper bag;

25 wherein said injecting device is a pressure-driven levering system including a gas cylinder, a connecting tube with one end connected to an urging terminal of said gas cylinder, a movable frame connected to another end of said connecting tube, a bracket housing said connecting tube and said movable frame; said connecting tube is provided with a

push rod therein and a spring at a rear end of said push rod; said movable frame is supported by a pair of guiding frames respectively against an upper surface and a lower surface thereof and is connected to a positioning head at a front end thereof; said positioning head is pivotally
5 connected to a pair of hook members respectively on an upper surface and a lower surface thereof, said hook members each having a hooked piece at one end and a guiding piece at another end, said guiding pieces each having a projection extending inwardly onto an elastic plate attached on a wall of said movable frame; said movable frame further includes two
10 connecting beams respectively pivot-connected to two guiding beams, said guiding beams being inserted into two opposite walls near said front end of said movable frame; said push rod within said connecting tube is provided with a push head at a front end thereof and extends through a front side of said positioning head, said push head having two lateral sides
15 respectively pivot-connected to said connecting beams, said push head further including two press arms respectively formed on an upper face and a lower face thereof for containing two clipping plates therebetween, said clipping plates thereby forming a receptacle for housing a zipper slider.

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